From: Marc Bowman <Marc.E.Bowman@mwhglobal.com>

Sent: Monday, March 17, 2014 1:05 PM

To: Rochlin, Kevin

Cc: Sheldrake, Beth; Greutert, Ed [USA]; Barbara Ritchie; Kelly Wright; susanh@ida.net;

Bruce.Olenick@deq.idaho.gov; Douglas.Tanner@deq.idaho.gov; Scott.Miller@deq.idaho.gov; Jeff

Hamilton; Marguerite Carpenter; David Heineck; Mike Steiner; Rob Hartman

Subject: FMC Plant OU RDRA Monthly Report #9 - February 2014

Attachments: 2014-03-17 FMC Plant OU RDRA Order Monthly Report #9 - February 2014.pdf

Kevin:

Please find attached the FMC OU RDRA Monthly Report #9 for February 2014 as required under Paragraph 55 of the FMC Plant OU RDRA Unilateral Administrative Order reporting on the status of implementation of the Remedial Design / Remedial Action work. This report covers the time period from February 1 to February 28, 2014.

Marc Bowman MWH Americas, Inc. (801) 617-3234



Via email

March 17, 2014

Kevin Rochlin Remedial Project Manager, Superfund Program US EPA, Region 10 1200 Sixth Avenue Seattle, WA 98101

RE: MONTHLY REPORT NO. 9 – FEBRUARY 2014

FMC Operable Unit of the Eastern Michaud Flats Superfund Site Unilateral Administrative Order for Remedial Design and Remedial Action Docket No. CERCLA-10-2013-0116

Dear Mr. Rochlin,

This is the monthly report concerning the FMC Plant OU (the site) submitted pursuant to Paragraph 55 of the subject Unilateral Administrative Order for Remedial Design and Remedial Action (UAO), effective June 20, 2013. This report describes the time period between February 1, 2014 and February 28, 2014.

a) ACTIONS TAKEN DURING THE TIME PERIOD:

• Submitted deliverables (listed in item c below) and began preparation of deliverables (listed in item d below) as required based on the effective date of the subject UAO

b) SUMMARY OF SAMPLING RESULTS AND DATA RECEIVED DURING THE TIME PERIOD

None

c) PLANS, REPORTS AND OTHER DELIVERABLES SUBMITTED DURING THE TIME PERIOD

- Received EPA approval of the Extraction Zone Hydrogeologic Study Work Plan (EZHWP) on February 6, 2014.
- Received EPA comments on the *Data Gap Investigation Report* on February 20, 2014. In an email dated March 3, 2013, EPA granted an extension until March 14, 2014 for FMC to submit response to these comments and to provide a revised *Data Gap Investigation Report*.
- On March 3, 2014, submitted Soil Remedial Action Engineering Design Submittal. As
 detailed in the submittal the site-wide grading and stormwater design and plans were
 submitted at the Pre-final (90%) Remedial Design (RD) level and the gamma and ET

Tel: 801 617-3200

Fax: 801 617-4200

Mr. Kevin Rochlin Remedial Project Manager, Superfund Program March 17, 2014 Page 2

cap designs were submitted at the Preliminary (30%) RD level. This submittal package included:

- Soil Remedial Action Engineering Design
 - Remedial Design Report
 - Remedial Design Drawings
 - Remedial Design Calculations
 - Technical Specifications
 - Construction Quality Assurance Plan
 - Site-wide Stormwater Management Design Report
- o Supporting Documents
 - Draft Emergency Response Plan, including the Spill Prevention, Control and Countermeasure Plan
 - Draft Transportation and Off-site Disposal Plan
 - Preliminary Draft Soil Remedy Performance Standards Verification Plan
 - Preliminary Draft Soil Remedy Operations, Monitoring and Maintenance Plan
- Draft Institutional Controls Implementation and Assurance Plan
- On March 6, 2014, FMC and EPA participated in a conference call to discuss the proposed approach to respond to EPA comments and recommendations on the Gamma Cap Performance Evaluation Report. FMC also summarized the Soil Remedial Action -Engineering Design Submittal during this call.
- On March 12, 2014, FMC submitted via email a schedule for fieldwork to conduct the groundwater investigations as included in the EZHWP which was approved on February 6, 2014.
- On March 14, 2014, FMC submitted an electronic response to EPA comments on the
 Data Gap Investigation Report received on February 20, 2014 and an electronic revision to
 the *Data Gap Investigation Report* which was highlighted to indicate changes made in
 response to EPA comments.

d) ACTIONS SCHEDULED FOR THE NEXT TWO MONTHS

- In response to Agency comments received on January 29, 2014 on the *Gamma Cap Performance Evaluation Report* and input during the March 6 conference call, FMC will prepare and submit a framework document proposing additional gamma cap performance testing. Tentative submittal date is March 21, 2014.
- Targeted schedule for implementation of EZHWP field work is as follows:
 - o March 24: Mobilization on site.
 - o March 25 29: Drilling and installation of extraction wells.
 - o March 31 April 5: Drilling and installation of extraction wells.
 - o April 7 April 12: Drilling and installation of piezometers.
 - April 14 April 23: Extraction Well and Piezometer development and aquifer testing.

Mr. Kevin Rochlin Remedial Project Manager, Superfund Program March 17, 2014 Page 3

e) UNRESOLVED DELAYS ENCOUNTERED OR ANTICIPATED THAT MAY AFFFECT THE SCHEDULE FOR IMPLEMENTATION OF WORK AND EFFORTS TO MITIGATE

 There are currently no unresolved delays encountered or anticipated, actual and anticipated modifications to the schedule are described in item f below.

f) MODIFICATIONS TO WORK PLANS OR SCHEDULES PROPOSED

- a. Attached are the updated RD/RA Preliminary Schedules for soil and groundwater remedies (Revision 5.0 to Tables 6-1 and 6-2 of the RDWP).
- b. As described in item c. above, FMC submitted the *Soil Remedial Action Engineering Design Submittal* on March 3, 2014. With timely EPA review and approval of these design submittals, site grading should commence during the 2014 construction season. Site-wide grading that creates an integrated stormwater management system is a required precursor to cap construction and is otherwise independent of and does not prejudice the final cap designs (i.e., gamma and ET caps). The schedule for these deliverables has been added to the RD/RA Preliminary Schedule for the soil remedy as summarized below:

RD Deliverable / Work Element	Date
Submitted Soil Remedial Action - Engineering Design Submittal; Site-Wide Grading and Stormwater Design and Plans were submitted at the Pre-final (90%) RD level and gamma and ET cap designs were submitted at the Preliminary (30%) RD level.	March 3, 2014
EPA Comments on 30% RD Package and Site-Wide Grading and Stormwater Design and Plans at the Pre- final (90%) RD level	May 2, 2014
Submit Final (100%) RD Package for Site-Wide Grading and Stormwater Design and Plans	June 2, 2014
EPA approval for Site-Wide Grading and Stormwater Design and Plans	June 30, 2014
Pre-Construction Inspection and Meeting	July 7, 2014
Start of Site-Wide Grading Construction	July 9, 2014

c. As described in item d. above, in response to Agency comments received on January 29, 2014 on the *Gamma Cap Performance Evaluation Report* and input during the March 6 conference call, FMC will prepare and submit a framework document proposing additional gamma cap performance testing. The RD/RA Preliminary Schedule for the soil remedy has been revised to include submittal of that framework document,

Mr. Kevin Rochlin Remedial Project Manager, Superfund Program March 17, 2014 Page 4

subsequent work plan and field implementation of the additional gamma cap study and development of a final gamma cap performance evaluation report. Based on the schedule for the additional gamma cap study, the preliminary schedule includes a reforecast for submittal of the Pre-final (90%) and Final RD and draft and final Remedial Design Work Plans for the entire soil remedy which will be focused on the gamma and ET cap design and plans.

If you have any questions concerning the monthly report, please feel free to call Marc Bowman at (801) 617-3234, Rob Hartman at (801) 617-3256, or Barbara Ritchie at (215) 299-6700.

Sincerely,

Marc Bowman
Project Director

MWH Americas, Inc.

Rob Hartman

RD Manager

MWH Americas, Inc.

Rol J Harton

cc: (as required under the UAO and as directed by EPA)

Bruce Olenick, IDEQ

Doug Tanner, IDEQ

Marck Barman

Scott Miller, IDEQ

Kelly Wright, Shoshone-Bannock Tribes

Susan Hansen, Shoshone-Bannock Tribes

Soil Remedial Design / Remedial Action Preliminary Schedule (Rev 5.0)

RD Deliverable/Work Element	Schedule per UAO	Baseline ¹ Planned	Revised Plan	Actual
Remedial Design Work Plan				
Submit Remedial Design Work Plan (RDWP)	W/in 45 days EPA approval SC			8/12/2013
EPA Comments on RDWP	NS	9/13/2013		10/28 and 12/12/2013
Submit Final RDWP	14 days or as specified by EPA	9/27/2013		12/19/2013
EPA Approval RDWP	NS	10/14/2013		12/19/2013
Performance Testing (PT) Work Plans - Soil Remedy				
RD Data Gap (DG) Acquisition Work Plan	W/in 60 days EPA approval SC			7/15/2013
Gamma Cap (GC) Performance Evaluation Work Plan	W/in 60 days EPA approval SC			7/15/2013
EPA approval of GC WP	NS	8/16/2013		9/5/2013
EPA approval of DG WP	NS	8/16/2013		10/22/2013
Execute PTs to Support Soil Remedial Design				
PT Field Work	Per DG/GC Work Plans	8/26 to 9/27/2013		9/11 to 11/13/2013
Submit GC / DG PT Reports	Per DG/GC Work Plans Per DG/GC Work Plans	10/25/2013		11/25/2013 / 1/28/14
EPA Comments on GC / DG PT Reports	NS	11/22/2013		1/29/14 / 2/20/14
Submit Final DG PT Report	14 days or as specified by EPA	11/29/2013		3/14/2014
EPA approval DG PT Report	NS	12/16/2014	4/30/2014	3/14/2014
	NO	12/10/2014	4/30/2014	
Additional Gamma Cap Study (AGCS) ²		T T		
Submit Framework for AGCS	NS	NA	3/21/2014	
EPA comments on Framework for AGCS	NS	NA	4/4/2014	
Submit Work Plan for AGCS	NS	NA	4/18/2014	
EPA comments on AGCS Work Plan	NS	NA	6/18/2014	
Submit revised AGCS Work Plan	14 days or as specified by EPA	NA	7/2/2014	
EPA approval AGCS Work Plan	NS	NA	7/18/2014	
AGCS Field Work	NS	NA	7/21 to 8/8/14	
Submit revised GC / AGCS PT Report	Per AGCS Work Plan	NA	9/23/2014	
EPA Comments on GC / AGCS PT Report	NS	NA	11/21/2014	
Submit Final GC / AGCS PT Report	14 days or as specified by EPA	NA	12/5/2014	
EPA approval GC / AGCS PT Report	NS	NA	12/19/2014	
Remedial Design - Site-Wide (SW) Grading and Storr	nwater Management System (SMS	and Stormwater Pi	pe (SWP) and RA	-J Elements 3
Submit Soil Remedy - 90% Design Package for SW Grading and SMS and SWP / RA-J	45 days after EPA approval of GC/DG PT reports	1/27/2014 (Original 30% Soil)	•	3/3/2014
EPA Comments on 90% Design Package for SW Grading and SMS and SWP / RA-J	NS	3/6/2014	5/2/2014	
Submit Final Design Package and RAWP for SW Grading and SMS and SWP / RA-J	21 days after receipt of EPA comments on Pre-final RD	6/26/2014	6/2/2014	
EPA Approval Final Design and RAWP for SW Grading and SMS and SWP / RA-J	NS	NA	6/30/2014	
Remedial Contractor Procurement - Site-Wide (SW)	Grading and SMS and SWP and RA	AI Flements ³		
Bid Package Preparation - Soil Remedy	NS	NA NA	3/17/2014	
Evaluate Bids / Recommendation	NS	NA NA	4/30/2014	
Soil Remedial Action - Site-Wide (SW) Grading and SMS and SWP and RA-J Elements ³				
Award Contract for SW Grading and SMS	45 days after EPA approval RAWP		5/23/2014	
Pre-Construction Inspection and Meeting	30 days after Award RA Contract	7/17/2014 7/28/2014	7/7/2014	
Start of Construction SW Grading and SMS	15 days after Pre-Con Meeting	1/20/2014	7/9/2014	

Soil Remedial Design / Remedial Action Preliminary Schedule (Rev 5.0)

RD Deliverable/Work Element	Schedule per UAO	Baseline ¹ Planned	Revised Plan	Actual			
Remedial Design - Gamma and ET Caps							
Submit Soil Remedy - 30% Design Package for Gamma and ET Caps	45 days after EPA approval of GC/DG PT reports	1/27/2014		3/3/2014			
EPA Comments on 30% RD Package for Gamma and ET Caps	NS	3/6/2014	5/2/2014				
Submit Soil Remedy Pre-Final (90/95%) RD Package for Gamma and ET Caps	120 days after receipt of EPA comments on 30% RD	5/1/2014	12/19/2014				
EPA Comments on Pre-Final RD Package for Gamma and ET Caps	NS	5/29/2014	2/17/2015				
Submit Soil Remedy Final RD Package (Integrated for SW Grading, SMS, Gamma and ET Caps)	21 days after receipt of EPA comments on Pre-final RD	6/26/2014	3/10/2015				
Remedial Action Work Plan - Gamma and ET Caps							
Submit Draft RAWP Soil Remedy	Concurrent with Pre-Final RD	5/1/2014	12/19/2014				
EPA Comments on RAWP Soil Remedy	NS	5/29/2014	2/17/2015				
Submit Final RAWP Soil Remedy	Concurrent with Final RD	6/26/2014	3/10/2015				
Remedial Contractor Procurement - Gamma and ET	Caps						
Bid Package Preparation - Soil Remedy	NS	5/5/2014	3/10/2015				
Evaluate Bids / Recommendation	NS	6/26/2014	4/17/2015				
EPA Approval Soil Remedy Final RD and RAWP	NS	7/7/2014	4/7/2015				
Soil Remedial Action - Gamma and ET Caps							
Award Contract for Gamma and ET Caps	45 days after EPA approval RAWP	7/10/2014	4/7/2015				
Pre-Construction Inspection and Meeting	30 days after Award RA Contract	7/17/2014	4/15/2015				
Start of Construction - Gamma and ET Caps	15 days after Pre-Con Meeting	7/28/2014	4/20/2015				
Institutional Control Program							
Institutional Control Implementation and Assurance Plan	Submit with 30% RD for Soil RA	1/27/2014		3/3/2014			
EPA Comments on ICIAP	NS	4/28/2014	9/12/2014				
Submit Final ICIAP	14 days or as specified by EPA	5/12/2014	9/26/2014				
EPA Approval ICIAP	NS	6/11/2014	10/24/2014				
Implement ICIAP	Per ICIAP						

¹ Baseline schedule is the Planned schedule from Table 6-1 of the draft RDWP, August 2013.

NS means no schedule (timeframe) specified in UAO.

NA means the item was not included in the baseline schedule.

² Per EPA 1/29/14 comments and recommendations on the Gamma Cap Performance Evaluation Report as discussed in 3/6/14 conference call, 4/18/14 is the target date for FMC's response to EPA comments on the GCPE Report and submittal of a work plan for additional study.

³ The stormwater pipe element is for cleaning and removal of sediment within the stormwater piping and the RA-J element is excavation of upper 6 inches of soil and removal / transport onto the FMC Plant Site for use as general fill during site-wide grading.

$Groundwater\ Remedial\ Design\ /\ Remedial\ Action\ Preliminary\ Schedule\ (Rev\ 5.0)$

Submit Final RDWP	RD Deliverable/Work Element	Schedule per UAO	Baseline ¹ Planned	Revised Plan	Actual
PACCOMMENTS on RDWP	Remedial Design Work Plan				
Submit Final RDWP	Submit Remedial Design Work Plan	W/in 45 days EPA approval SC			8/12/2013
Performance Testing (PT) Work Plans - Groundwater Remedy Scrumwater Extraction 2	EPA Comments on RDWP	NS	9/13/2013		10/28 and 12/12/2013
Performance Testing (PT) Work Plans - Groundwater Remedy Groundwater Extraction Zone Hydrogeologic (EZH) Work Plan PPA Comments on GW EZH Work Plan NS 8/16/2013	Submit Final RDWP	14 days or as specified by EPA	9/27/2013		12/19/2013
Proceedings	EPA Approval RDWP	NS	10/14/2013		12/19/2013
PA Comments on GW EZH Work Plan 14 days or as specified by EPA NA 170/2014	Performance Testing (PT) Work Plans - Groundwater Reme	dy			
Submit Final Groundwater EZH Work Plan 14 days or as specified by EPA NA 1/10/2014	Groundwater Extraction Zone Hydrogeologic (EZH) Work Plan	W/in 60 days EPA approval SC			7/15/2013
EPA approval of Groundwater EZH Work Plan	EPA Comments on GW EZH Work Plan	NS	8/16/2013		9/16 and 12/6/2013
Execute PTs to support Groundwater (GW) Remedial Design	Submit Final Groundwater EZH Work Plan	14 days or as specified by EPA	NA		1/10/2014
Per GW EZH Work Per GW EZH Work Plan 8/26 to 11/8/2013 3/24 to 5/2/2014 Submit GW EZH Report Per GW EZH Work Plan 1/10/2014 71/12014 71/12014 Per GW EZH Work Plan 1/10/2014 71/12014 71/12014 Per GW EZH Work Plan 1/10/2014 71/12014 Per GW EZH Report NS 2/7/2014 9/24/2014 Submit Final GW EZH Report 14 days or as specified by EPA 2/14/2014 10/12/2014 Per Approval GW EZH Report NS 2/28/2014 10/29/2014 Per Approval GW EZH Report NS 2/28/2014 10/29/2014 Per Approval GW EZH Report Per Approval of GW EZH Report Submit Groundwater Remedy - 30% Design Package A5 days after EPA approval of GW EZH Report 12/12/2014 12/12/2015 Per Approval of GW EZH Report 12/12/2015 Per Approval of GW RD Remedia Remedy Final RD Package Per Approval of GW RD Remedia Remedy Final RD Remedia Remedy 11/24/2014 11/24/2015 11/24/2015 11/24/2015 Per Approval RAWP 11/24/2015 11/24/2015 Per Approval RAWP 11/24/2015 11/24/2015 11/24/2015 Per Approval Groundwater Remedy NS 11/24/2014 11/2015 11/2015 11/2015 Per Approval Groundwater Remedy Final RD and RAWP NS 11/24/2014 11/10/2015 11/2015 11/2015 11/2015 11/2016 Per Construction Inspection and Meeting 30 days after Award RA Contract 3/31/2015 2/17/2016 Per Construction Inspection and Meeting 30 days after Award RA Contract 3/31/2015 2/17/2016 Per Construction Inspection and Meeting 30 days after Award RA Contract 3/31/2015 2/17/2016 Per Construction Inspection and Meeting 30 days after Award RA Cont	EPA approval of Groundwater EZH Work Plan	NS	8/16/2013		2/6/2014
Per GW EZH Work Per GW EZH Work Plan 8/26 to 11/8/2013 3/24 to 5/2/2014 Submit GW EZH Report Per GW EZH Work Plan 1/10/2014 71/12014 71/12014 Per GW EZH Work Plan 1/10/2014 71/12014 71/12014 Per GW EZH Work Plan 1/10/2014 71/12014 Per GW EZH Report NS 2/7/2014 9/24/2014 Submit Final GW EZH Report 14 days or as specified by EPA 2/14/2014 10/12/2014 Per Approval GW EZH Report NS 2/28/2014 10/29/2014 Per Approval GW EZH Report NS 2/28/2014 10/29/2014 Per Approval GW EZH Report Per Approval of GW EZH Report Submit Groundwater Remedy - 30% Design Package A5 days after EPA approval of GW EZH Report 12/12/2014 12/12/2015 Per Approval of GW EZH Report 12/12/2015 Per Approval of GW RD Remedia Remedy Final RD Package Per Approval of GW RD Remedia Remedy Final RD Remedia Remedy 11/24/2014 11/24/2015 11/24/2015 11/24/2015 Per Approval RAWP 11/24/2015 11/24/2015 Per Approval RAWP 11/24/2015 11/24/2015 11/24/2015 Per Approval Groundwater Remedy NS 11/24/2014 11/2015 11/2015 11/2015 Per Approval Groundwater Remedy Final RD and RAWP NS 11/24/2014 11/10/2015 11/2015 11/2015 11/2015 11/2016 Per Construction Inspection and Meeting 30 days after Award RA Contract 3/31/2015 2/17/2016 Per Construction Inspection and Meeting 30 days after Award RA Contract 3/31/2015 2/17/2016 Per Construction Inspection and Meeting 30 days after Award RA Contract 3/31/2015 2/17/2016 Per Construction Inspection and Meeting 30 days after Award RA Cont	Execute PTs to support Groundwater (GW) Remedial Design	n			
Per GW EZH Work Plan			8/26 to 11/8/2013	3/24 to 5/2/2014	
Submit Final GW EZH Report 14 days or as specified by EPA 2/14/2014 10/1/2014 EPA approval GW EZH Report NS 2/28/2014 10/1/2014 Remedial Design - Groundwater Remedy Submit Groundwater Remedy - 30% Design Package 45 days after EPA approval of GW EZH Report 3/24/2014 12/12/2014 EPA Comments on 30% RD Package NS 4/21/2014 2/12/2015 Submit Groundwater Remedy - 60% Design Package 90 days after EPA comments on 30% RD 7/21/2014 4/9/2015 EPA Comments on 60% RD Package NS 8/22/2014 6/10/2015 Submit Pre-Final (90/95%) Groundwater RD Package NS 8/22/2014 6/10/2015 EPA Comments on Pre-Final RD Package NS 11/24/2014 8/5/2015 EPA Comments on Pre-Final RD Package NS 11/24/2014 10/6/2015 Submit Groundwater Remedy Final RD Package 21 days after receipt of EPA comments on Pre-final RD 12/15/2014 11/3/2015 Remedial Action Work Plan - Groundwater Remedy Concurrent with Pre-Final RD 10/24/2014 8/5/2015 EPA Comments on RAWP NS 11/24/2014 11/6/2015	Submit GW EZH Report		1/10/2014	7/1/2014	
EPA approval GW EZH Report NS 2/28/2014 10/29/2014	EPA Comments on GW EZH Report	NS	2/7/2014	9/24/2014	
Submit Groundwater Remedy Package Submit Groundwater Remedy Package Package		14 days or as specified by EPA	2/14/2014	10/1/2014	
Submit Groundwater Remedy - 30% Design Package	EPA approval GW EZH Report		2/28/2014	10/29/2014	
Submit Groundwater Remedy - 30% Design Package	Remedial Design - Groundwater Remedy				
PRA Comments on 30% RD Package			3/24/2014	12/12/2014	
Submit Groundwater Remedy - 0-0% Design Package 30% RD 1/21/2014 4/9/2015	EPA Comments on 30% RD Package	•	4/21/2014	2/12/2015	
Submit Pre-Final (90/95%) Groundwater RD Package 90 days after receipt of EPA comments on 60% RD 10/24/2014 8/5/2015 EPA Comments on Pre-Final RD Package NS 11/24/2014 10/6/2015 Submit Groundwater Remedy Final RD Package 21 days after receipt of EPA comments on Pre-final RD 12/15/2014 11/3/2015 Remedial Action Work Plan - Groundwater Remedy Concurrent with Pre-Final RD 10/24/2014 8/5/2015 EPA Comments on RAWP Groundwater Remedy NS 11/24/2014 10/6/2015 Submit Groundwater Remedy Final RAWP Concurrent with Final RD 12/15/2014 11/3/2015 Remedial Contractor Procurement NS 10/30/2014 11/10/2015 Bid Package Preparation Groundwater Remedy NS 10/30/2014 11/10/2015 Evaluate Bids / Recommendation NS 12/19/2014 12/15/2015 EPA Approval Groundwater Remedy Final RD and RAWP NS 1/15/2015 12/3/2015 Groundwater Remedial Action 45 days after EPA approval RAWP 3/1/2015 1/19/2016 Pre-Construction Inspection and Meeting 30 days after Award RA Contract 3/31/2015 2/17/2016	Submit Groundwater Remedy - 60% Design Package		7/21/2014	4/9/2015	
Submit Pre-Final (90/95%) Groundwater RD Package Comments on 60% RD 10/24/2014 8/5/2015	EPA Comments on 60% RD Package	NS	8/22/2014	6/10/2015	
Submit Groundwater Remedy Final RD Package 21 days after receipt of EPA comments on Pre-final RD 12/15/2014 11/3/2015 Remedial Action Work Plan - Groundwater Remedy Submit Draft RAWP Groundwater Remedy Concurrent with Pre-Final RD 10/24/2014 8/5/2015 EPA Comments on RAWP NS 11/24/2014 10/6/2015 Submit Groundwater Remedy Final RAWP Concurrent with Final RD 12/15/2014 11/3/2015 Remedial Contractor Procurement Bid Package Preparation Groundwater Remedy NS 10/30/2014 11/10/2015 Evaluate Bids / Recommendation NS 12/19/2014 12/15/2015 EPA Approval Groundwater Remedy Final RD and RAWP NS 1/15/2015 12/3/2015 Groundwater Remedial Action Award RA Contract - Groundwater 45 days after EPA approval RAWP 3/1/2015 1/19/2016 Pre-Construction Inspection and Meeting 30 days after Award RA Contract 3/31/2015 2/17/2016	Submit Pre-Final (90/95%) Groundwater RD Package		10/24/2014	8/5/2015	
Submit Groundwater Remedy Final RD Package Comments on Pre-final RD 12/15/2014 11/3/2015	EPA Comments on Pre-Final RD Package	NS	11/24/2014	10/6/2015	
Submit Draft RAWP Groundwater Remedy Concurrent with Pre-Final RD 10/24/2014 8/5/2015 EPA Comments on RAWP NS 11/24/2014 10/6/2015 Submit Groundwater Remedy Final RAWP Concurrent with Final RD 12/15/2014 11/3/2015 Remedial Contractor Procurement Bid Package Preparation Groundwater Remedy NS 10/30/2014 11/10/2015 Evaluate Bids / Recommendation NS 12/19/2014 12/15/2015 EPA Approval Groundwater Remedy Final RD and RAWP NS 1/15/2015 12/3/2015 Groundwater Remedial Action Award RA Contract - Groundwater 45 days after EPA approval RAWP 3/1/2015 1/19/2016 Pre-Construction Inspection and Meeting 30 days after Award RA Contract 3/31/2015 2/17/2016	Submit Groundwater Remedy Final RD Package		12/15/2014	11/3/2015	
NS	Remedial Action Work Plan - Groundwater Remedy				
Submit Groundwater Remedy Final RAWP Concurrent with Final RD 12/15/2014 11/3/2015 Remedial Contractor Procurement Bid Package Preparation Groundwater Remedy NS 10/30/2014 11/10/2015 Evaluate Bids / Recommendation NS 12/19/2014 12/15/2015 EPA Approval Groundwater Remedy Final RD and RAWP NS 1/15/2015 1/15/2015 Groundwater Remedial Action Award RA Contract - Groundwater 45 days after EPA approval RAWP NS 3/1/2015 1/19/2016 Pre-Construction Inspection and Meeting 30 days after Award RA Contract 3/31/2015 2/17/2016	Submit Draft RAWP Groundwater Remedy	Concurrent with Pre-Final RD	10/24/2014	8/5/2015	
Remedial Contractor Procurement Bid Package Preparation Groundwater Remedy NS 10/30/2014 11/10/2015 Evaluate Bids / Recommendation NS 12/19/2014 12/15/2015 EPA Approval Groundwater Remedy Final RD and RAWP NS 1/15/2015 12/3/2015 Groundwater Remedial Action Award RA Contract - Groundwater 45 days after EPA approval RAWP 3/1/2015 1/19/2016 Pre-Construction Inspection and Meeting 30 days after Award RA Contract 3/31/2015 2/17/2016	EPA Comments on RAWP	NS	11/24/2014	10/6/2015	
Bid Package Preparation Groundwater Remedy NS 10/30/2014 11/10/2015 Evaluate Bids / Recommendation NS 12/19/2014 12/15/2015 EPA Approval Groundwater Remedy Final RD and RAWP NS 1/15/2015 12/3/2015 Groundwater Remedial Action Award RA Contract - Groundwater 45 days after EPA approval RAWP 3/1/2015 1/19/2016 Pre-Construction Inspection and Meeting 30 days after Award RA Contract 3/31/2015 2/17/2016	Submit Groundwater Remedy Final RAWP	Concurrent with Final RD	12/15/2014	11/3/2015	
Bid Package Preparation Groundwater Remedy NS 10/30/2014 11/10/2015 Evaluate Bids / Recommendation NS 12/19/2014 12/15/2015 EPA Approval Groundwater Remedy Final RD and RAWP NS 1/15/2015 12/3/2015 Groundwater Remedial Action Award RA Contract - Groundwater 45 days after EPA approval RAWP 3/1/2015 1/19/2016 Pre-Construction Inspection and Meeting 30 days after Award RA Contract 3/31/2015 2/17/2016	Remedial Contractor Procurement				
Evaluate Bids / Recommendation NS 12/19/2014 12/15/2015 EPA Approval Groundwater Remedy Final RD and RAWP NS 1/15/2015 12/3/2015 Groundwater Remedial Action Award RA Contract - Groundwater 45 days after EPA approval RAWP 3/1/2015 1/19/2016 Pre-Construction Inspection and Meeting 30 days after Award RA Contract 3/31/2015 2/17/2016		NS	10/30/2014	11/10/2015	
Groundwater Remedial Action Award RA Contract - Groundwater 45 days after EPA approval RAWP 3/1/2015 1/19/2016 Pre-Construction Inspection and Meeting 30 days after Award RA Contract 3/31/2015 2/17/2016					
Award RA Contract - Groundwater 45 days after EPA approval RAWP 3/1/2015 1/19/2016 Pre-Construction Inspection and Meeting 30 days after Award RA Contract 3/31/2015 2/17/2016	EPA Approval Groundwater Remedy Final RD and RAWP	NS	1/15/2015	12/3/2015	
Award RA Contract - Groundwater 45 days after EPA approval RAWP 3/1/2015 1/19/2016 Pre-Construction Inspection and Meeting 30 days after Award RA Contract 3/31/2015 2/17/2016	Groundwater Remedial Action				
Pre-Construction Inspection and Meeting 30 days after Award RA Contract 3/31/2015 2/17/2016		45 days after EPA approval RAWP	3/1/2015	1/19/2016	
' '					
	Start of Construction	15 days after Pre-Con Meeting	4/14/2015	3/2/2016	

¹ Baseline schedule is the Planned schedule from Table 6-2 of the draft RDWP, August 2013.

NA means the item was not included in the baseline schedule.

NS means no schedule (timeframe) specified in UAO.